ZOOMLION TECHNOLOGY WITH INGENUITY AND CARE











THE WORLD'S LEADING EXCAVATOR INTELLIGENT MANUFACTURING FACTORY

ZOOMLION Smart City Earthmoving Machinery Park is an industry-leading intelligent and flexible excavator factory. From a piece of steel plate to an excavator, with high-precision welding process, highly reliable assembly process, high-level coating process and strict quality control, each excavator is delivered with ultimate quality.



ZOOMLION

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Note: Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment.

ZOOMLION 21-TON BATTERY ELECTRIC CRAWLER HYDRAULIC EXCAVATOR

ZE225GE



EXCELLENT CONTROLL ABILITY



SUPERIOR PERFORMANCE | **DRIVER COMFORT** | **EXCELLENT CONTROLLABILITY** | **WORKABILITY**

ZOOMLION MEDIUM-EXCAVATOR

EXCELLENT PRODUCT

POWERFUL AND ENVIRONMENTALLY FRIENDLY

Battery-Powered
ZOOMLION electronically controlled hydraulic control system

COMFORTABLE CAB

Suspension seat
Large touch screen
Detail-oriented comfort design

HIGH ROI

Increased productivity
Reduced idle time of equipment
Higher hydraulic system efficiency
Lower maintenance cost

SAFETY

ROPS cab

Engine power:
150 kW/1790 rpm
Battery capacity
423 kWh

Operating weight:
23800 kg

Bucket capacity:
0.85-1.1 m³

SUPERIOR PERFORMANCE

BATTERY SYSTEM WITH A MAXIMUM OPERATING DURATION OF 10 HOURS



TRACTION BATTERY

- With a large capacity of **423 kWh**, it can meet the requirement of continuous operation for up to **6-10 hours**.
- The enclosure protection level reaches **IP67**, enabling it to adapt to complex working environments.
- Equipped with an efficient BMS (Battery Management System): By monitoring and optimizing the battery, it enables longer battery lifespan and higher energy utilization efficiency.

POWERFUL ELECTRIC MOTOR



- **150kW** Permanent Magnet Synchronous Motor.
- Two-Stage Automatic Idle Function: It intelligently adjusts energy output, realizing more efficient energy utilization.
- Comprehensive Protection Enhancement: The motor also achieves an IP67 protection rating.

EASY CHARGING



- Fast charging can fully charge the battery within **1.5 hours**, ensuring high efficient energy replenishment.
- Slow charging enables steady,unhurried energy storage over **8 hours**, making it perfectly suited for overnight charging during stationary periods.

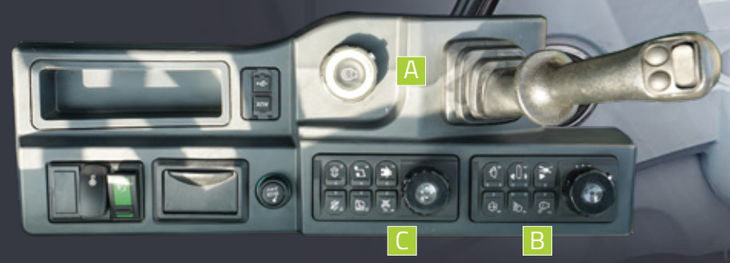
COMFORTABLE DRIVING EXPERIENCE

Equipped with a spacious and brand-new luxurious cab, this 21-Ton electric medium excavator offers more comfort and luxury experience to tackle any challenges.



SUSPENSION SHOCK-ABSORBING SEAT

The shock absorption effect can be adjusted according to the actual load. Coupled with the adjustable backrest and the retractable hidden seat belt, you can enjoy a safe, reliable and comfortable driving experience.



A BUTTON START

Standard one-button start button Easy Start up

B THROTTLE AND FUNCTION CONTROL PANEL

This area integrates the accelerator knob and the control buttons for vehicle functions, and takes into account that drivers who are accustomed to using physical buttons can operate it through the physical buttons.

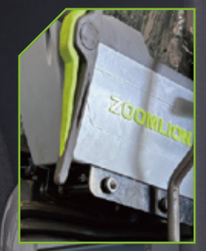
C ENTERTAINMENT FUNCTION AREA

The entertainment function control is also equipped with physical buttons. The knob can control the display screen, while the buttons provide common entertainment function controls, making it convenient for the driver to operate with one click.



MULTIFUNCTIONAL OPERATION HANDLE

A multi-functional operation handle for high-performance equipment, which replaces the traditional foot pedal operation with buttons, enables more precise control and a more comfortable experience.



ADJUSTABLE ARMREST BOX

The armrest box can be adjusted up and down to accommodate drivers of various body sizes.



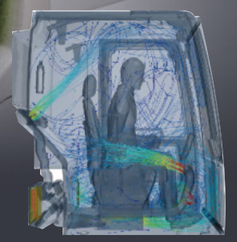
CONVENIENT DESIGN

The storage compartment on the rear side provides the driver with additional storage space for conveniently placing personal belongings.



TOUCHSCREEN

The standard configuration includes a 10-inch LCD touch screen, allowing you to view crucial information such as motor speed, battery power, and system pressure in the menu bar on the screen.



COMFORTABLE DESIGN

The powerful air conditioning system and the unique ventilation duct design provide a comfortable riding experience for the driver's cab.

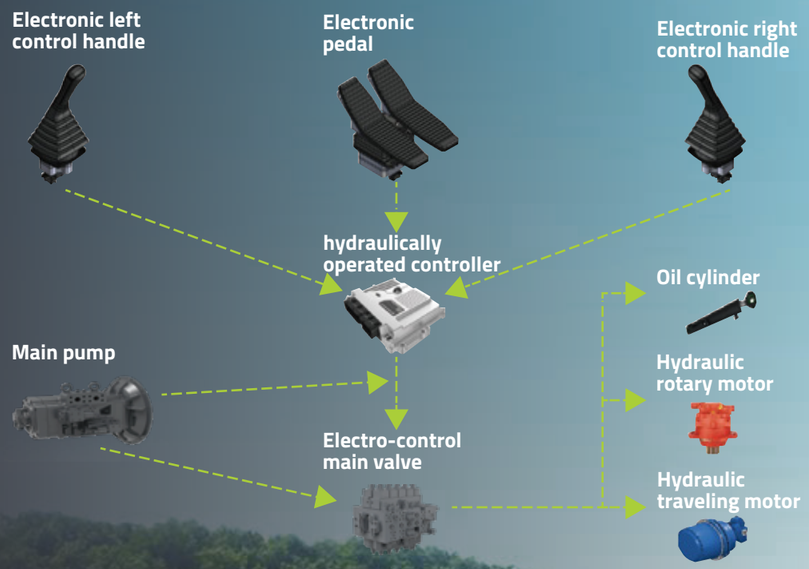


NEW GENERATION OF ZOOMLION CAB

The new generation cab is equipped with an optimized high-strength steel frame, featuring excellent impact resistance and durability. Positive pressure design ensures that dust does not enter the cab while also guaranteeing the quiet performance of the cab.

INDUSTRY-LEADING FULLY ELECTRONIC HYDRAULIC SYSTEM

FULLY ELECTRICALLY CONTROLLED HYDRAULIC SYSTEM



Standardized flow and pressure regulation of the AUX pipeline, suitable for various accessories and with more precise control.

Fully electrically controlled operation handle, with fast response speed and precise flow control.

Large-displacement main pump, with more sufficient flow and longer service life.

Fully electronic-controlled large-diameter main valve, with excellent quality, high reliability, high flow distribution efficiency, and smoother multi-action combination.

High-quality high-torque hydraulic walking motor, with smooth switching between high and low speeds, ensuring smoother movement

Adapt to ultra-low temperature environments, capable of delivering full power output even at -30°C, with no reduction in efficiency.

°C HEAT WAVE

When the environmental temperature reaches 45°C, the machine can still operate normally.

The electrical power system has a protection level of IP67 or above, and can be adapted to high-humidity and high-pollution environments.

EXCELLENT CONTROLLABILITY



Type	Density of applicable materials	ZE225GE
Reinforced bucket	≤1500 kg/m³	1.1 m³
Rock bucket	≤1800 kg/m³	0.85 m³

REINFORCED BUCKET

Standard high efficient reinforced bucket of 1.1m³ capacity;
Loading efficiency is high because soil is hardly stuck on it; durable with enhanced design.

Suitable for light or loose materials.



ROCK BUCKET

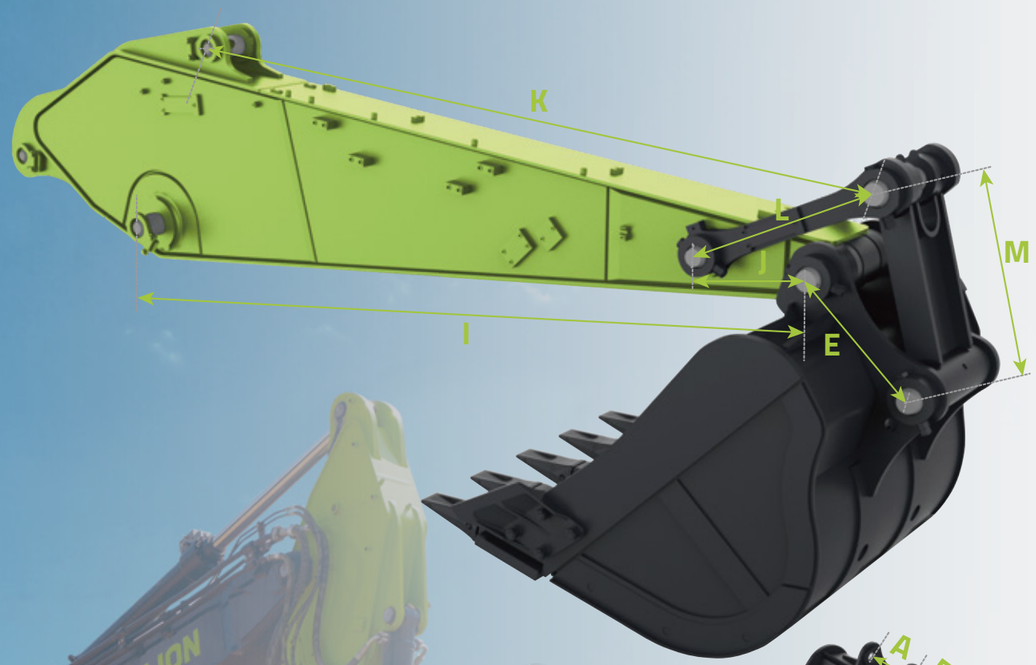
The optional 0.85m³ rock bucket is powerful during digging by greatly reducing the cutting resistance of bucket teeth;
The bucket is more durable by reducing the wear and impact of the rock on the bottom of the bucket. The stability of the whole machine is improved, and the operation is more comfortable.

Suitable for high abrasion applications like quarry or rock.

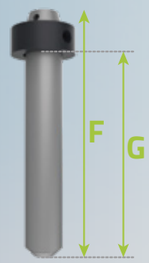
UNDERCARRIAGE

Larger grounding area for higher stability of the machine;
Reinforced design for higher durability;
Long undercarriage with 9 track rollers, which are tightly engaged with the chain for stronger bearing capacity;
The carrier rollers are replaced by track rollers, which are supported at both sides, with stronger bearing capacity and more effective protection for the track.















Unit: mm

MODEL	A	B	C	D	E	F	G	H	I
ZE225GE	326	326	80	80	458	523	472	22	2925

MODEL	J	K	L	M
ZE225GE	408.5	2800	640	600

OPEN INSPECTION

You can inspect the electronic control system by opening the top hatch, without the need to remove the bolts or perform any other operations.



ZOOMLION MAINTENANCE

ZOOMLION Maintenance is a maintenance program installed on ZOOMLION machines. It reminds the customer to replace the maintenance parts and record the time of the next maintenance. ZOOMLION service engineer can also maintain the machine through this program. For relevant terms and conditions, please contact your local ZOOMLION dealer.







A/C filter and pilot filter

The air filter is located at the rear of the cab, and the hydraulic pilot filter is installed on the side of the hydraulic oil tank. Both are easily accessible at ground level. Additionally, an installation seat for the grease gun is integrated outside the hydraulic oil tank, making it easy to access and store.

CUSTOMER SERVICE



Zoomlion's slogan is "Vision creates future". It is not just a simple slogan, but an unshakable determination to exceed our customer's expectations. Zoomlion has always upheld this belief and tries to implement it in everything that we do for customers. The service we offer to customers is to think about what they think about and worry about what they worry about.

Zoomlion promises that once you choose us, we are ready to respond with the first arrival and solution any time, anywhere.

Various service content, professional service teams, global service networks and systematic technical support are readily available from Zoomlion for an effective response and solution upon your request no matter where you are in the world and what time it is.



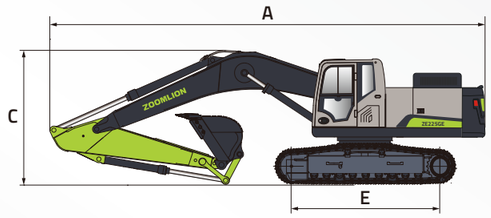


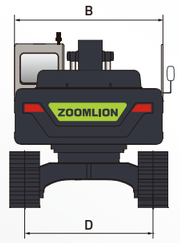


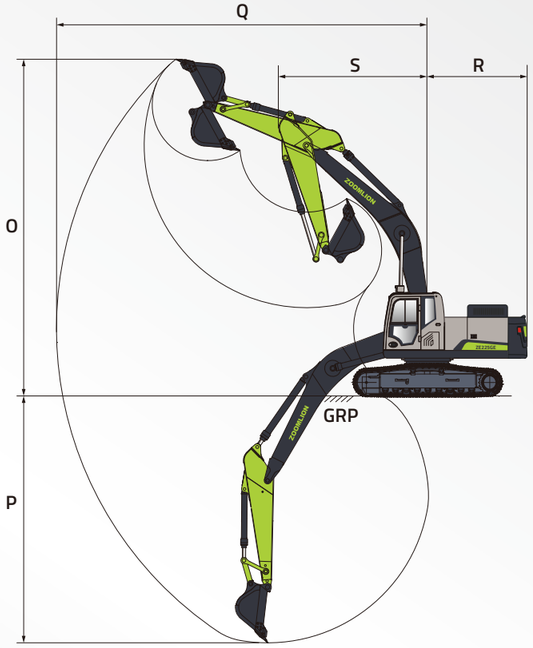
TECHNICAL SPECIFICATIONS

	ZE225CE
ENGINE	
Motor type	permanent magnet synchronous motor
Rated Power	150 kW/1790rpm
Battery Type	Lithium-ion
Battery Voltage	618 V
Battery capacity	423 kWh
Charging time	1.5 H
HYDRAULIC SYSTEM	
Main pump	Two variable displacement piston pumps Maximum flow: 2x227.5 /min
Pilot pump	One gear pump Maximum flow: 18 L/min
Maximum pressure - Equipment	34.3 MPa
Maximum pressure - Swing	29 MPa
Maximum pressure - Travel	34.3 MPa
Maximum pressure - Boost	37.3 MPa
Maximum pressure – Pilot system	3.9 MPa
UPPER FRAME	
Maximum swing speed	11 r/min
Maximum swing torque	77.5 kNm
UNDERCARRIAGE	
Number of carrier rollers (each side)	2 (Two sides supported track rollers)
Number of track rollers (each side)	9
Number of track guide (each side)	2
Travel speed (high)	5.5 km/h
Travel speed (low)	3.5 km/h
Maximum drawbar pull	210 kN
Gradeability	70%
SERVICE REFILL CAPACITIES	
Swing drive	8.2 L
Final drive (each side)	5 L
Hydraulic system	250 L
Hydraulic tank	130 L
WORK EQUIPMENT	
Boom length	5700 mm
Arm length	2925 mm
Digging force of bucket	150 kN
Digging force of arm	109 kN

	ZE225CE
OVERALL DIMENSIONS	
A Overall length	9870 mm
B Overall width	2990 mm
C Overall height	3150 mm
D Track gauge	2390 mm
E Length of track on ground	3660 mm
WORKING RANGE	
O Maximum digging height	10010 mm
P Maximum digging depth	6660 mm
Q Maximum digging reach	9900 mm
R Tail swing radius	3130 mm
S Front minimum swing radius	3200 mm







STANDARD & OPTIONAL FEATURES

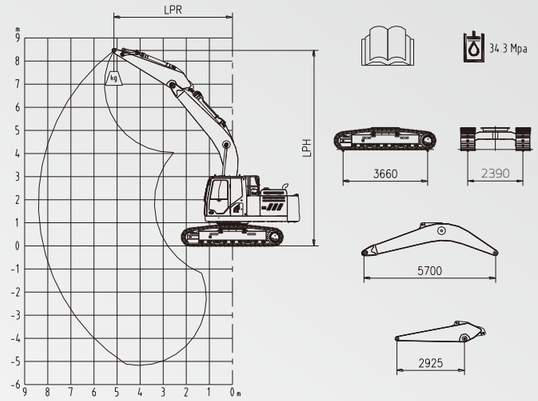
Category	Features	ZE225GE
Powertrain	Air cleaner	●
Hydraulic system	Boom cylinder hose burst valve	●
	Arm cylinder hose burst valve	●
	Attachments plumbing	●
	Quick coupler plumbing	●
Cab	ROPS	●
	Mesh guard	○
	Skeleton guard	○
	Air suspension seat	●
	Sunshade curtain	●
	Air conditioner	●
	Multifunctional joystick	●
Undercarriage	600mm track	●
	700mm track	○
	800mm track	○
	900mm track	○
Electrical system	Acousto-optic alarm	●
	Emergency stop	●
	12V power interface	●
	Rear view camera	●
	Cab front light	● 2 pcs
	Boom light	● 2 pcs
	Upper frame light	● 1 pc
	GPS	●
	AM/FM radio	●
	Right view camera and light	●
	Counterweight light	●
	Cab rear light	●
Others	Cylinder sleeve	○
	Cab rear mirror	● 1 pc
	Handrail rear mirror	● 1 pc
	Auto greasing system	○

● Standard ○ Optional

LIFT CAPACITY

ZE225GE





Do not attempt to lift or hold any load that is greater than these rated values at their specified lift-point radius and height.
The lift point is located at the centreline of the bucket pivot mounting pin on the arm.

LPH	Rated lift capacity (kg)												
	LPR										Lift capacity at maximum radius		
	1.5m		3.0m		4.5m		6.0m		7.5m				
m	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	m
7.5							*4190	*4190			*3460	*3460	6.19
6.0							*4500	*4500			*3220	*3220	7.30
4.5					*5710	*5710	*5000	*5000	*4700	3620	*3170	*3170	7.97
3.0					*7400	*7400	*5780	*5780	*5040	3500	*3260	2960	8.32
1.5					*8990	6920	*6600	4640	*5440	3370	*3480	2850	8.40
zemin			*7090	*7090	*9870	6610	*7180	4450	5570	3280	*3880	2900	8.20
-1.5	*7460	*7460	*11210	*11210	*10000	6530	*7370	4370	5540	3250	*4620	3150	7.70
-3.0	*11690	*11690	*13420	*13420	*9400	6600	*6940	4410			*5820	3740	6.84
-4.5			*10810	*10810	*7680	6850					*6020	5290	5.44

Capacities marked with an asterisk (*) are limited by hydraulic capacities. See Note 2.

- The mass of slings and any auxiliary lifting devices shall be deducted from the rated load to determine the net load that may be lifted.
- Lift capacities are based on the machine standing on a firm, uniform supporting surface. The user shall make allowances for job conditions such as soft or uneven ground.
- The operator should be fully acquainted with the operator's manual and the operating safety manual furnished by the manufacturer before operating fixe machine.

- NOTE 1 Lift capacities shown are without the power boost feature engaged.
- NOTE 2 Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
- NOTE 3 The least stable position is over the side.
- NOTE 4 Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
- NOTE 5 The total mass of the machine is 22700kg. Included in this mass are 600mm triple grouser shoes, 5.7 m boom, 2.925 m arm, 3950 kg counterweight, all operating fluids and a 75 kg operator.
- NOTE 6 Lift capacities are in compliance with ISO 10567:2007.

EARTHMOVING MACHINERY

ZOOMLION